

Bocconi

MASTER OF QUANTITATIVE FINANCE AND RISK MANAGEMENT

XXI EDITION

2024-2025



Università
Bocconi

GRADUATE SCHOOL

Our goals in the education of Mafinrisk students

- To create strong professional figures in the field of risk management and quantitative finance, capable of dealing with an exhaustive spectrum of financial applications.
- To support students in developing a combination of quantitative, operational and institutional competences.
- To make our graduates independent in the use and operation of the skills developed during the program and in their ability to update knowledge and techniques after the end of the program.



Mafinrisk Staff

- Prof. Francesco Corielli - Program Director
- Prof. Davide Maspero - Coordinator
- Prof. Francesco Rotondi - Coordinator
- Prof. Stefano Zorzoli - Coordinator
- Dr. Ivana Ciullo - Chief Administrative Officer



The organization of the Master

- Full time program
- Official language: English
- Attendance is mandatory
- Academic year: from September 2024 to September 2025
- Courses schedule: three terms



Master schedule: first term

September – December 2024

- **Objective:** to smooth out differences in students' academic backgrounds
- **Precourses:** Financial Markets and Institutions, Statistics, Introduction to Computer Programming
- **Fundamentals (7):** Accounting and Financial Statement Analysis, Derivatives, Econometrics, Fixed Income, Investments, Mathematical Models for Finance, Probability and Stochastic Calculus



Master schedule: second term

January – March 2025

- **Objective:** to develop competences in more specific fields of study
- **Core courses (5):**
 - Credit Risk: Management and Measurement
 - Market Risk: Management and Measurement
 - Computational Methods and Machine Learning
 - Theory of Valuation
 - Econometrics 2



Master schedule: third term

Mid March - mid June 2025

- **Objective:** to further enhance knowledge and experience in specific areas of interest. Each course is dedicated to specific aspects of applied finance.
- **Electives:** 6 to be chosen out of 15
- A **final project** or an internship report (mid June - September 2025)



Master schedule: third term

1. Accounting, Risk Evaluation and Financial Analysis for Banks
2. Corporate Financial Risk Management
3. Derivatives Credit Risk: Management and Measurement
4. Exotic Derivatives
5. Machine Learning in Finance
6. Market, Counterparty and Model Risk Management
7. Market Microstructure
8. Operational and Reputational Risk
9. Portfolio Performance Evaluation
10. Selected Topics in Data-Driven Investments
11. Structured Products
12. Term Structure Modelling
13. The Practice of FX Markets
14. Topics in Numerical Methods
15. Topics in Structuring



The selection process (I): our ideal candidate

We look for:

- Talented and motivated individuals, wishing to pursue a career in the field of applied finance and ready to dedicate 12 months of a challenging and intense study to the achievement of this goal;
- Candidates with:
 - a) an Economics degree with good quantitative skills, or a scientific degree (Physics, Mathematics, Engineering, Statistics, Computer Science)
 - b) a strong interest in financial and quantitative analysis
 - c) no working experience or a limited working experience



The selection process (II): entry requirements

- have a *three-year degree* (i.e. 'Laurea Triennale', Bachelor of Arts, Bachelor of Science) or higher education (i.e. 'Laurea Magistrale', Master of Science, 4-year or 5-year Degree) in economics (Economics, Finance and Banking, Business or Management...) or non economics quantitative subjects (Mathematics, Physics, Statistics, Engineering...), received from an Italian or a non-Italian university
- submit your GMAT (Graduate Management Admissions Test)- GMAT Focus Edition (recently introduced by GMAC) / GRE (Graduate Record Examinations) score or, alternatively, take the Bocconi Test
- be fluent in English (minimum B2 level required)



The selection process (III)

- To select the class, a relative ranking will be built, taking into account that the target class dimension is between 30 and 40 students.
- Given the heterogeneous backgrounds of the applicants, the tests «GMAT», «GRE» and «Bocconi» play a relevant role in the selection process



Average class profile

FIELDS OF STUDY

Business or Management, Economics, Finance and Banking, Engineering, Mathematics, Physics, Statistics, Computer Science

AVERAGE AGE	25
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ITALIAN	45%
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NON-ITALIAN	55%
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GMAT SCORE	650-770
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GRE SCORE	158-170
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Class profile

38 COUNTRIES REPRESENTED



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Our faculty

- Bocconi University academics, belonging to Department of Finance and Department of Decision Sciences
- Academics from other Universities
- Finance Professionals



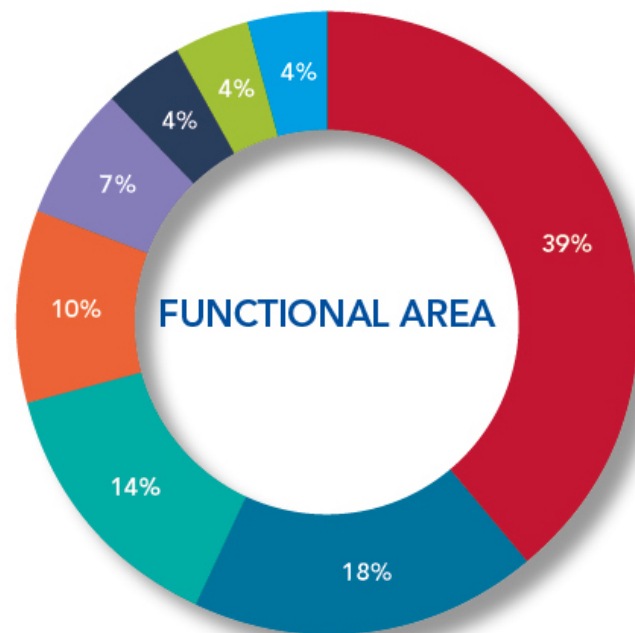
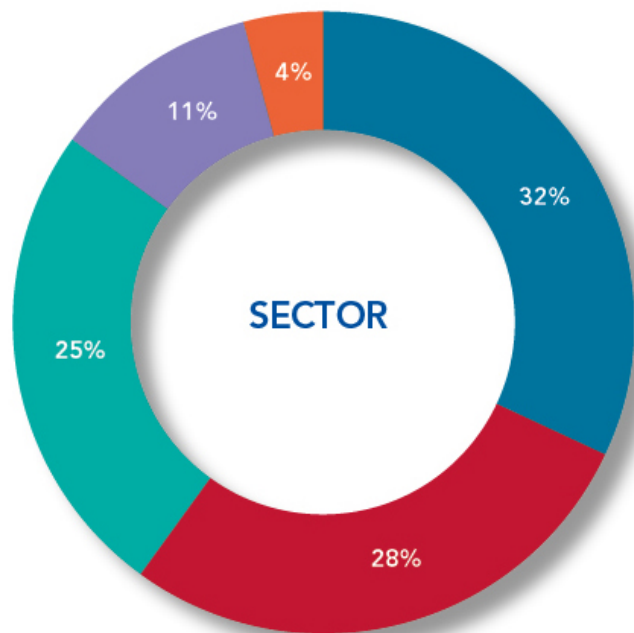
Job market and placement

- Both Bocconi University and the Mafinrisk program have strong ties to financial institutions operating in the fields of banking, insurance and asset management.
- The Bocconi Career Service provides company presentations, career and recruiting events as well as specific initiatives for Mafinrisk students (e.g. mock interviews)
- JobGate is Bocconi's Online Platform with internship and placement opportunities in Italy and abroad, updated daily by employers.
- Company presentations by major financial institutions will be specifically organized for the Mafinrisk class.



Placement statistics

*2021 graduates, one year after graduation



* 2021 graduates, one year after graduation



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Fees and grants

- The Master's tuition fee is euro 16,000
- Scholarships partially covering tuition and fees may be offered by corporate partners



When to apply / Deadlines

REGULAR APPLICATIONS by **JUNE 11th** (by 3pm)

BOCCONI ONLINE TEST

Second round

by **JUNE 10th** (last test date
valid for the application round)

Interviews with candidates, if necessary, will follow

Successful applicants will be notified by beginning of July 2024



My Application / Application process

1. **A completed online application form**
2. **A copy of your University official transcript(s)** (in Italian or in English).
Transcripts should include a comprehensive record of completed courses and grades.
3. **GMAT / GRE official score report.** Please note: we cannot accept an application without a score report (it may take up to 10/15 days to receive it). Alternatively, you take the **Bocconi Test**.
4. **CV** (in English)
5. **Personal statement** (in English)
6. **English language certificate** (BEC Higher, BEC Vantage, CAE, CPE, FCE, IELTS, TOEFL; University qualification completed in English; English exam at B2 level or higher passed in a university course; English mother tongue)
7. **One passport-sized photo.**
8. **A copy of your passport** or 'carta di identità'.
9. **A copy of your application fee payment receipt.**

Additional documents: Reference letter(s)



Bocconi Online Test

The Bocconi test is delivered through an external webtesting platform. Within the platform, you can view the dates available to take the test, book a test date, take the test online, view the results and download the score certificate.

Language of the test: you can select whether to take it in **English or Italian**

During the period in which the platform is available, you can take the test **AT MOST TWICE**.

It will consist of **70 questions** to be answered in **70 minutes**.

It is divided in **4 subject areas**: Reading and comprehension, Logic, Mathematics, Numerical reasoning.

Check [this page](#) for more detail.



For more information

Visit www.unibocconi.eu/mafinrisk

Read our online [brochure](#)

Watch our [alumni video](#)

Contact us at mafinrisk@unibocconi.it



THANKS



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